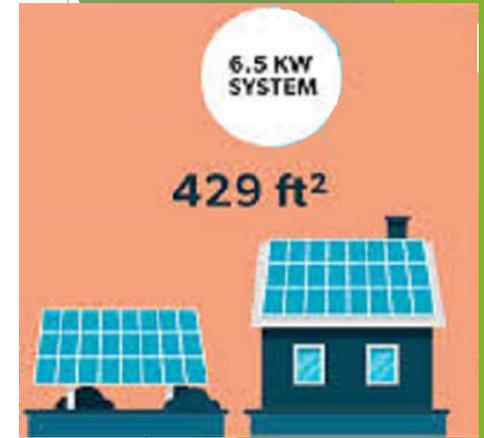
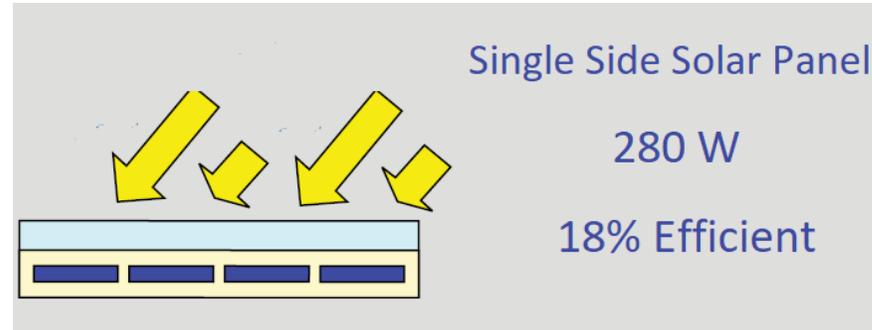
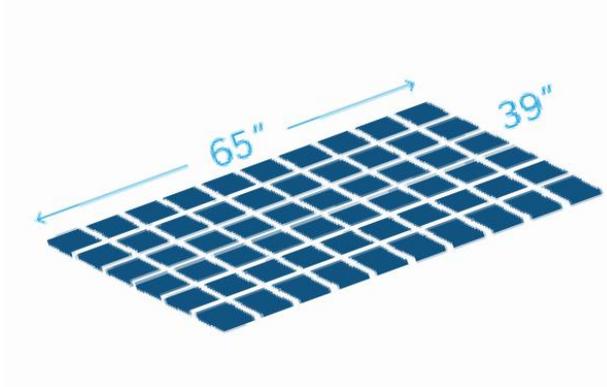


# “WEDIRA Solar Box”

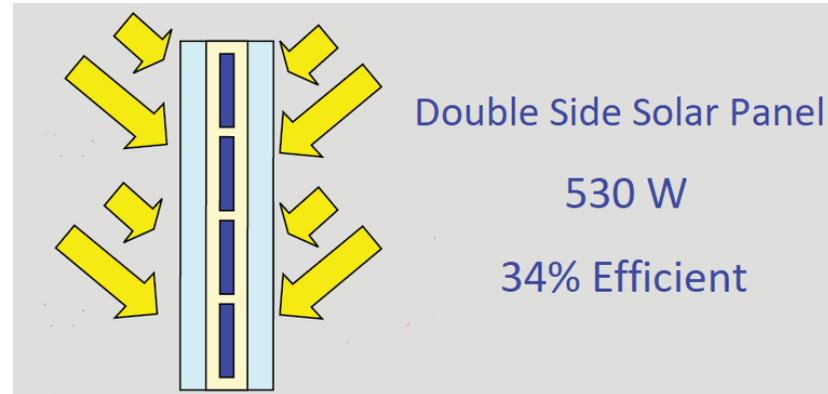
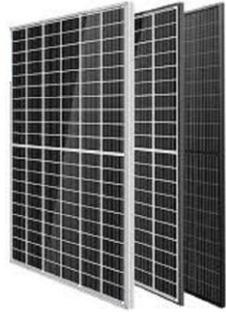
The Fastest/Easiest to Install, and Highest Efficient Energy  
Solution for the world ...

# Traditional Rooftop Solar Panel System



- Standard Solar Panel - 65" X 39" X 1.5" - 280W - **18% Efficiency**
- Single Side Monocrystalline silicone
- Average Home - 6.5 KW system: 24 panels on rooftop or **429 sq. ft.** space
- At **\$3.00** per Watt (est. US\$19,500 per system / home )
- Average **12 - 20 man-hrs.** for rooftop installation

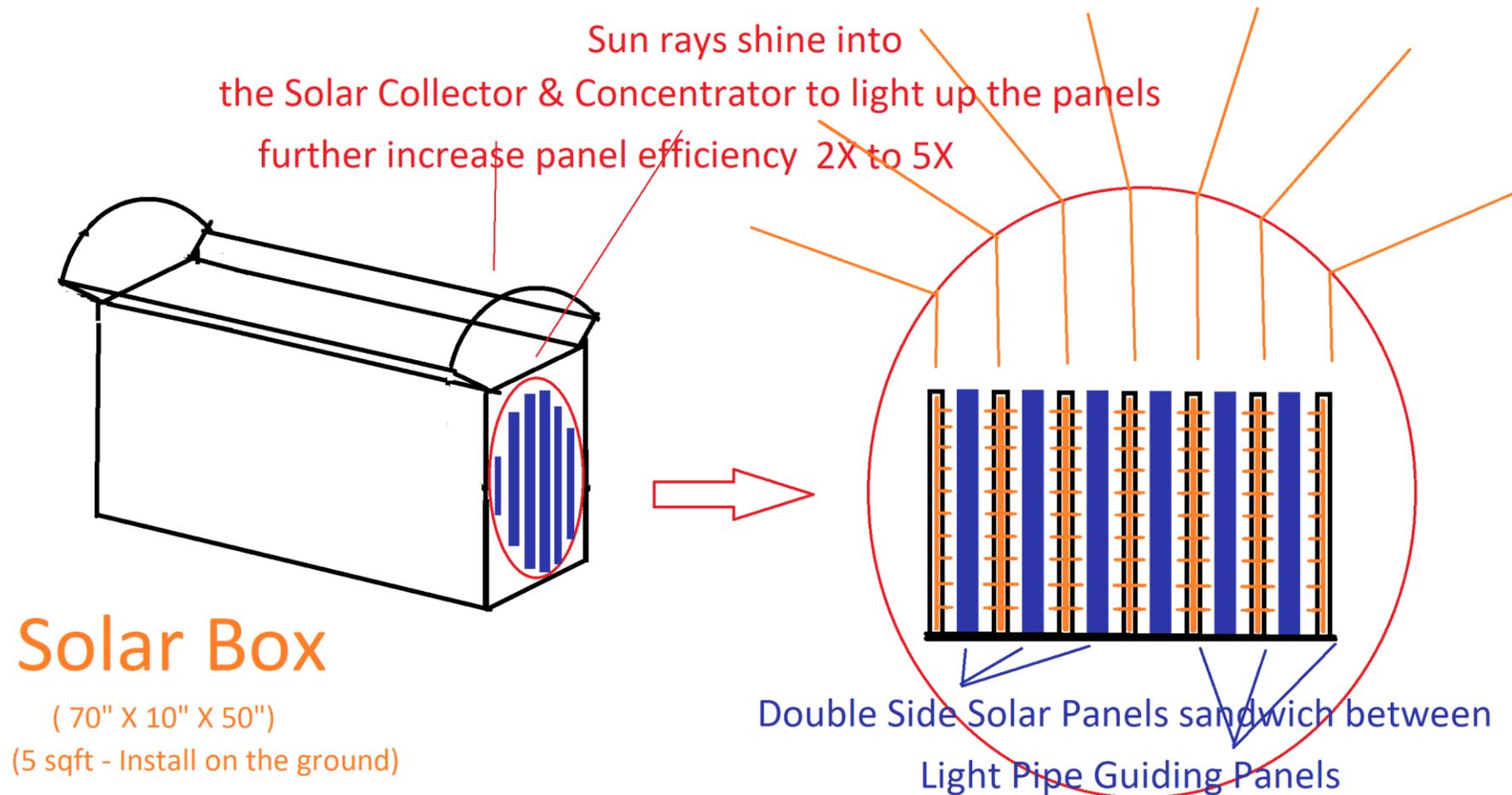
# Stand it Vertically and Double its performance!



- Double Side Solar Panel - 65" X 0.5" X 39" - 530W - **34% Efficiency**
- Double Side Monocrystalline silicone
- Same 6.5 KW system: take 12 panels - or less than **5 sq. ft.** in the ground installation
- Price drop to **\$1.00** per Watt (or US\$6,500 per system - increase efficiency, minimum installation labor, less panels - can further reduce with 2X to 5X optics)
- Only **1 - 2 man-hrs.** ground installation (when stack all together in one box)

# Introducing The “WEDIRA Solar Box”

The concept - Double side Solar panels sandwich between Edge Lit Light Guiding Panels stacked vertically in a box, for ground installation, with a 2X - 5X Solar Collector optics on top.



# Solar Box vs. Traditional Roof Top System

For 6.5 KW Solar System	Solar Box	Roof Top
Est. System Cost with std. 2X optics	\$6,500	\$19,500 (no optics)
Est. System Cost with 5X optics (less panels)	\$3,000	\$19,500 (no optics)
Energy Efficiency with std. 2X optics	>30%	18%
Energy Efficiency with 5X optics	>60%	18%
Installation Time	1-2 man-hrs	12-20 man-hrs
Installation Space	5 sqft. - Ground	429 sqft. - Roof Top
House Aesthetic Appeal	Not affected	Solar panels on roof
Total Sun exposure times	>3hrs more due to optics	At least 3hrs less
Flexible position to get max Sun exposures	Optimized / Portable	Depend on existing roofs
Ease of Maintenance	Easy	Difficult
Future-proof (new technologies)	Swap out new panel(s)	N/A
Portable - installed, and reinstall easily	Can move with owner	N/A - Possible contract trap

# The “WEDIRA Solar Box” is a “Game Changer”

- ❖ In addition to the above advantages, its portability, ease of installation, high efficiency, better performance, ease of maintenance, and lower overall cost make rooms for many more applications, not previously possible:
  - ❖ The small space, full power, can support container/indoor farming
  - ❖ Can set up as a power unit for emergency / disaster response
  - ❖ Multiple unit can be used to support multi level housing / building
  - ❖ Better mean to finance the System since it is not bond to the house
  - ❖ DIY installation

# Thank you

By Nikki Qin & Lionel Luu - Team WEDIRA - 10/2021